## SANITARY SEWER OVERFLOW STATISTICS (Updated through October 31, 2003)

| | SYSTEM SIZE[B] | | NUMBER OF SEWAGE SPILLS (LISTED BY FY, JULY 1 THROUGH JUNE 30) | | | | SPILLS PER 100 MILES (LISTED BY FY) | | | SPILL VOLUME 2003-04[A] | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **SEWAGE COLLECTION AGENCY** | **Miles** | **MGD** | **2000-01** | **2001-02** | **2002-03** | **2003-04[A]** | **2000-01** | **2001-02** | **2002-03** | **GAL** | **GAL/MG[D]** |
| **ORANGE COUNTY:** | | | | | | | | | | | |
| EL TORO WD | 55 | 2.2 | 0 | 3 | 1 | 0 | 0.0 | 5.5 | 1.8 | 0 | 0 |
| EMERALD BAY SERVICE DISTRICT | 6 | 0.1 | 1 | 0 | 0 | 0 | 16.7 | 0.0 | 0.0 | 0 | 0 |
| IRVINE RANCH WD | 36 | 2.0 | 1 | 0 | 0 | 0 | 2.8 | 0.0 | 0.0 | 0 | 0 |
| LAGUNA BEACH, CITY OF | 95 | 2.4 | 24 | 12 | 28 | 3 | 25.3 | 12.6 | 29.5 | 12 | 0.04 |
| LOS ALISOS WD *(absorbed by Irvine Ranch WD, January 2001)* | | | | | | | | | | | |
| MOULTON NIGUEL WD | 530 | 13.0 | 13 | 2 | 1 | 0 | 2.5 | 0.4 | 0.2 | 0 | 0 |
| SAN CLEMENTE, CITY OF | 179 | 4.5 | 9 | 6 | 7 | 2 | 5.0 | 3.3 | 3.9 | 16,476 | 30 |
| SAN JUAN CAPISTRANO, CITY OF | 100 | 3.4 | 1 | 0 | 0 | 0 | 1.0 | 0.0 | 0.0 | 0 | 0 |
| SANTA MARGARITA WD | 546 | 10.7 | 11 | 12 | 4 | 2 | 2.0 | 2.2 | 0.7 | 2,879 | 2.2 |
| SOUTH COAST CWD | 132 | 4.0 | 12 | 5 | 8 | 4 | 9.1 | 3.8 | 6.1 | 1,108 | 2.3 |
| TRABUCO CANYON WD | 43 | 0.7 | 0 | 0 | 0 | 1 | 0.0 | 0.0 | 0.0 | 5 | 0.06 |
| **RIVERSIDE COUNTY:** | | | | | | | | | | | |
| EASTERN MWD | 446 | 10.0 | 6 | 1 | 3 | 1 | 1.3 | 0.2 | 0.7 | 100 | 0.08 |
| ELSINORE VALLEY MWD | 80 | 2.0 | 1 | 0 | 0 | 0 | 1.3 | 0.0 | 0.0 | 0 | 0 |
| MURRIETA MWD *(included with Eastern MWD)* | | | | | | | | | | | |
| RANCHO CA WD | 71 | 2.9 | 0 | 2 | 0 | 0 | 0.0 | 2.8 | 0.0 | 0 | 0 |
| **SAN DIEGO COUNTY:** | | | | | | | | | | | |
| BUENA SANITARY DISTRICT | 84 | 1.9 | 0 | 0 | 2 | 0 | 0.0 | 0.0 | 2.4 | 0 | 0 |
| CARLSBAD MWD | 214 | 7.2 | 12 | 15 | 6 | 2 | 5.6 | 7.0 | 2.8 | 120 | 0.14 |
| CHULA VISTA, CITY OF | 400 | 16.0 | 7 | 6 | 3 | 2 | 1.8 | 1.5 | 0.8 | 2,800 | 1.4 |
| CORONADO, CITY OF | 53 | 3.8 | 11 | 5 | 2 | 0 | 20.8 | 9.4 | 3.8 | 0 | 0 |
| DEL MAR, CITY OF | 30 | 1.1 | 2 | 2 | 7 | 0 | 6.7 | 6.7 | 23.4 | 0 | 0 |
| EL CAJON, CITY OF | 198 | 9.1 | 3 | 2 | 3 | 0 | 1.5 | 1.0 | 1.5 | 0 | 0 |
| ENCINITAS, CITY OF | 118 | 4.1 | 4 | 2 | 6 | 0 | 3.4 | 1.7 | 5.1 | 0 | 0 |
| ESCONDIDO, CITY OF | 350 | 10.8 | 10 | 14 | 3 | 1 | 2.9 | 4.0 | 0.9 | 120 | 0.09 |
| FAIRBANKS RANCH COMM SERV DIST | 15 | 0.2 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 |
| FALLBROOK PUBLIC UTILITY DIST[C] | 72 | 2.0 | 27 | 17 | 22 | 1 | 37.5 | 23.6 | 30.6 | 3,000 | 12 |
| IMPERIAL BEACH, CITY OF | 84 | 2.2 | 9 | 1 | 14 | 0 | 10.7 | 1.2 | 16.7 | 0 | 0 |
| LA MESA, CITY OF | 155 | 5.8 | 3 | 12 | 3 | 0 | 1.9 | 7.7 | 1.9 | 0 | 0 |
| LEMON GROVE, CITY OF | 69 | 2.4 | 3 | 9 | 4 | 1 | 4.3 | 13.0 | 5.8 | 240 | 0.8 |

## SANITARY SEWER OVERFLOW STATISTICS (Updated through October 31, 2003)

| | SYSTEM SIZE[B] | | NUMBER OF SEWAGE SPILLS (LISTED BY FY, JULY 1 THROUGH JUNE 30) | | | | SPILLS PER 100 MILES (LISTED BY FY) | | | SPILL VOLUME 2003-04[A] | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEWAGE COLLECTION AGENCY | Miles | MGD | 2000-01 | 2001-02 | 2002-03 | 2003-04[A] | 2000-01 | 2001-02 | 2002-03 | GAL | GAL/MG[D] |
| **SAN DIEGO COUNTY *(continued)*:** | | | | | | | | | | | |
| LEUCADIA CWD | 185 | 4.2 | 5 | 5 | 6 | 1 | 2.7 | 2.7 | 3.2 | 500 | 1.0 |
| NATIONAL CITY, CITY OF | 97 | 5.1 | 0 | 0 | 1 | 0 | 0.0 | 0.0 | 1.0 | 0 | 0 |
| OCEANSIDE,CITY OF,WTR UTIL DEP | 446 | 13.0 | 19 | 17 | 23 | 6 | 4.3 | 3.8 | 5.2 | 1,948,465 | 1,219 |
| OLIVENHAIN MWD | 16 | 0.4 | 1 | 1 | 2 | 0 | 6.3 | 6.3 | 12.5 | 0 | 0 |
| OTAY MWD | 86 | 1.4 | 0 | 0 | 3 | 0 | 0.0 | 0.0 | 3.5 | 0 | 0 |
| PADRE DAM MWD | 150 | 5.4 | 1 | 4 | 3 | 1 | 0.7 | 2.7 | 2.0 | 50,000 | 75 |
| PAUMA VALLEY COMM SERVICE DIS | 8 | 0.7 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 |
| POWAY, CITY OF | 170 | 4.0 | 6 | 1 | 5 | 0 | 3.5 | 0.6 | 2.9 | 0 | 0 |
| RAINBOW MWD | 54 | 0.7 | 3 | 2 | 2 | 0 | 5.5 | 3.7 | 3.7 | 0 | 0 |
| RAMONA MWD | 83 | 1.3 | 3 | 5 | 2 | 0 | 3.6 | 6.0 | 2.4 | 0 | 0 |
| RANCHO SANTA FE COMM SERV DIST | 52 | 0.4 | 1 | 1 | 1 | 0 | 1.9 | 1.9 | 1.9 | 0 | 0 |
| SAN DIEGO CO, PUBLIC WORKS | 380 | 11.0 | 1 | 4 | 11 | 2 | 0.3 | 1.1 | 2.9 | 2,800 | 2.1 |
| SAN DIEGO, CITY OF, MWWD | 2,894 | 170 | 316 | 226 | 193 | 28 | 10.9 | 7.8 | 6.7 | 722,122 | 35 |
| SOLANA BEACH, CITY OF | 52 | 1.2 | 3 | 2 | 1 | 0 | 5.8 | 3.8 | 1.9 | 0 | 0 |
| USMC BASE, CAMP PENDLETON | 194 | 3.1 | 35 | 18 | 23 | 2 | 18.1 | 9.3 | 11.9 | 2,350 | 6.3 |
| US NAVY | 123 | 4.0 | 26 | 24 | 12 | 2 | 21.2 | 19.5 | 9.8 | 2,650 | 5.4 |
| VALLECITOS WD | 202 | 6.1 | 4 | 4 | 5 | 0 | 2.0 | 2.0 | 2.5 | 0 | 0 |
| VALLEY CENTER MWD | 48 | 0.3 | 0 | 0 | 3 | 0 | 0.0 | 0.0 | 6.3 | 0 | 0 |
| VISTA, CITY OF | 198 | 6.5 | 5 | 4 | 4 | 3 | 2.5 | 2.0 | 2.0 | 13,375 | 17 |
| WHISPERING PALMS COMM SERV DIS | 17 | 0.3 | 0 | 1 | 1 | 0 | 0.0 | 5.8 | 5.8 | 0 | 0 |
| REGION 9 TOTAL | 9615 | 364 | 599 | 447 | 428 | 65 | | | | 2,769,122 | |
| AVERAGE [1] | | | | | | | 6.2 | 4.6 | 4.5 | | 62 |
| STANDARD DEVIATION [2] | | | | | | | 7.9 | 5.1 | 7.1 | | 180 |
| MEDIAN [3] | | | | | | | 2.6 | 2.4 | 2.4 | | 0 |

[A] Includes available preliminary data for July 2003 - October 2003 and may not include all spills less than 1,000 gallons that did not enter surface waters or storm drains during this period.

[B] As of June 2003.

[C] Does not include 11 SSOs in 2000-2001 which occurred from private property but are the reponsibility of the Fallbrook PUD according to its own existing policies at the time.

[D] Volume of spills for the period in gallons divided amount conveyed for the period in million gallons

[1] The average is the sum of all values divided by the number of values.

[2] In a normally distributed set of values, 68% of the values are within one standard deviation either above or below the average value.

[3] The median is the middle value in a set; half the values are above the median, and half are below the median.